

Message

From: King, Amy [amy.king@tetrattech.com]
Sent: 9/24/2018 6:38:29 PM
To: Hodgkiss, Miranda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d441ddb44ac4ed486058d2c2690b977-Hodgkiss, Miranda]; lewe461@ECY.WA.GOV; rdoe461@ECY.WA.GOV; cfig461@ecy.wa.gov; Raunig, Brett (ECY) [brau461@ECY.WA.GOV]
CC: Carlin, Jayne [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d8fb65515e114f0c9a07cf1a9796132f-Carlin, Jayne]; Cope, Ben [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=497efadd936e4d378225116b8f50fd3f-Cope, Ben]; Zell, Christopher [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a7206bbb71ff41c999629b86cc25c7e4-Zell, Chris]
Subject: Summary: Deschutes TMDL Kickoff Call
Attachments: Deschutes TMDL EPA-ECY-Tt Kickoff Call Summary (091318).docx

Hello all,

Attached is a summary of our Deschutes TMDL call held on 9/13/18. Please let me know if you have any suggested edits. If so, I will provide a revised coy incorporating any changes alter this week.

Thank you,
Amy

Amy King | Senior Project Manager

Main: 303.217.5700 | Direct: 720.881.5874 | Fax 303.217.5705
amy.king@tetrattech.com

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350 Indiana Street, Suite 500 | Golden, Colorado 80401 | www.ttwater.com

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Task Order 01

TMDL Development for the Deschutes River, Percival Creek, and Budd Inlet Tributaries

EPA/Ecology/Tt Kickoff Call –September 13, 2018

Participants

WA Ecology: Rich Doenges, Cristiana Figueroa-Kaminsky, Brett Raunig, Leanne Weiss
EPA Region 10: Miranda Hodgkiss
Tetra Tech: Amy King

Call Summary

This call was scheduled to discuss available data and information to support TMDL revisions as well as to identify opportunities and timing for collaboration and future communication. Details associated with this discussion are presented in bulleted form below.

- **Available data and models:** Cristiana provided a summary of the available data and models, which are documented in detail in report 12-03-008. Ecology has recently reviewed the models and updated for compatibility with 64-bit processors. Leanne will provide the models to EPA and Tt. Cristiana mentioned that all of the data are in Ecology's EIM system. Amy is familiar with EIM and will retrieve the data. Subsequent support from Ecology on the data and modeling is not possible; however, Greg Pelletier is a resource for general QUAL2Kw questions.
 - Amy asked whether the team is aware of any additional data collection since the TMDL was previously completed; Cristiana indicated that EIM can be queried for newer data, but there are not any specific studies they are aware of.
 - Rich inquired about the expected technical approach. Amy indicated that Tt will review all available information and our next deliverable to EPA is a proposed approach that incorporates this information. Miranda indicated that EPA will share deliverables upon their completion.
 - Brett asked about the overall timeline for the project and Miranda indicated that this is a next step for Tt and she will keep Ecology in the loop.
- **Impairments and approach for Budd Inlet TMDL:** Leanne is the point person for the Budd Inlet TMDL, which is being developed to address dissolved oxygen concerns in the marine water. They expect to provide allocations for Capitol Lake (allowable dissolved oxygen deficit) as well as dissolved and inorganic nitrogen, organic carbon, and/or BOD allocations for other sources (WWTF, stormwater, nonpoint sources, and a load allocation for Puget Sound sources from the north). The Deschutes River and tributaries will also receive allocations for nitrogen and BOD. They are wrapping up the modeling now (using GEMMS model) and hope to public notice in about a year. They plan to share preliminary allocations in ~6 months. Amy indicated that it would be helpful to understand the allocations for the Deschutes River and tributaries so they can be considered during while developing those TMDLs. Leanne suggested it may be helpful to coordinate on the approach for stormwater allocations. In addition, she is tracking the Puget Sound Nutrient Reduction Strategy project and will communicate any pertinent information.
- **Communication plan:** It was confirmed that Leanne will be the primary point of contact at least initially. Once timelines are established, EPA and Ecology will each share to identify critical milestones or points of overlap. The group decided that a check-in discussion may be useful in

another 6-8 weeks as the timeline and initial deliverables will be further developed by that time (approximately November).

Amy will develop and deliver a summary of this call for group review.

Action Items:

- Tetra Tech will prepare a summary of the call with key decisions and distribute it to the team for comments.
- Leanne will provide the models to EPA and Tt.
- Tetra Tech will begin querying EIM to obtain available data and will review report 12-03-008.
- Tt will provide EPA with a proposed timeline after taking a cursory look at the available data and information.
- EPA and Ecology will each share their timelines to identify critical milestones or points of overlap.

Message

From: Hodgkiss, Miranda [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9D441DDB44AC4ED486058D2C2690B977-HODGKISS, MIRANDA]
Sent: 9/18/2018 3:57:22 PM
To: Croxton, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=ca7b9940863640d5b96f4295ea3c9641-Croxton, Dave]
Subject: RE: Draft Deschutes Slides

Hi Dave,

Leanne has just given me a lot of useful feedback, so I'm going to change these slides up quite a bit. No need to look at what I sent you – will share a revised version soon.

Thanks!

Miranda Hodgkiss
Office of Water and Watersheds
U.S. EPA Region 10
(206) 553-0692
hodgkiss.miranda@epa.gov

From: Hodgkiss, Miranda
Sent: Monday, September 17, 2018 4:46 PM
To: Croxton, David <Croxton.David@epa.gov>
Subject: Draft Deschutes Slides

Hi Dave,

Attached are my draft slides for this Thursday's meeting (still needs editing and formatting). If you have the time to look them over, I'd appreciate any feedback. Also, I think it would be useful to go over talking points with you, so I'm going to look for a spot on your calendar.

Thanks!

Miranda Hodgkiss
Office of Water and Watersheds
U.S. EPA Region 10
(206) 553-0692
hodgkiss.miranda@epa.gov

Message

From: Havard, James [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9350676809E8403994F1DFC2B7BFDCFE-JHAVARD]
Sent: 10/29/2018 4:41:22 PM
To: Lewicki, Chris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7688d5b97aa94ba6af2f38984d479b56-CLewicki]
Subject: RE: Draft note for Tom on Deschutes

Did not send anything yet. Will try to send today.

From: Lewicki, Chris
Sent: Monday, October 29, 2018 12:40 PM
To: Havard, James <Havard.James@epa.gov>
Subject: RE: Draft note for Tom on Deschutes

Jim

Please send me what you sent to Tom. Thanks

From: Havard, James
Sent: Wednesday, October 24, 2018 5:41 PM
To: Hunter, Christopher <Hunter.Christopher@epa.gov>
Cc: Lewicki, Chris <Lewicki.Chris@epa.gov>
Subject: RE: Draft note for Tom on Deschutes

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On August 27, NWEA sent EPA a notice of intent to sue for failure to establish the replacement TMDLs within 30 days. Based on the likely timeframes for replacement, the OGC front office authorized discussions with NWEA on mutually-agreeable schedules, and requested that DOJ contact NWEA's attorneys to begin talks. DOJ, OGC, and Region 10 have been coordinating the estimated time needed, and DOJ has reached out to NWEA, who indicated that they are interested in discussing a schedule-based settlement.

We will keep you updated as the discussion progresses, but please let us know if you like more information in the meantime

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Sent: 10/25/2018 1:48:32 PM
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Sent: 10/24/2018 8:47:29 PM
To: Hunter, Christopher [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=32905162cc58495da107db89c7dea903-Hunter, Chr]; Lewicki, Chris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=7688d5b97aa94ba6af2f38984d479b56-CLewicki]
Subject: deschutes sketch

- You'll recall we disapproved X TMDLs
- That triggered 30 day deadline
- We have an NOI
- GC authorized OGC to ask DOJ to approach potential litigant on dates for EPA action
- DOJ is discussing dates in consultation with OGC, the Region and us
- Let us know if you would like further info

The content Standards_Assessment_WQ27 Priorities.gdb.zip of type has been blocked.

Deschutes Watershed Meeting

Thursday November 29, 2018

9:30 – 12:00

LOTT Clean Water Alliance

500 Adams St NE, Olympia 98501

I. Welcome and Introductions

Attendance: Amy Hatch-Winecka, Nora White, Theresa Nation, Bob Barnes, John Rosenberg, Dave Peeler, Sue Patnude, Wendy Stephenson, Amy Georgeson, Susan McCleary, Leanne Weiss, Allison Osterberg, Laurence Reeves, Bob Holeman

II. Group naming exercise – review decisions from September and decide on a final option

Reflection questions to keep in mind:

Does the group make decisions or simply strong recommendations? What's the impact? To whom are you recommending? Does the group sunset? How do we lend strength to the group through the name?

Narrowed to two choices at our last meeting- see attached PowerPoint for details for consideration.

- Deschutes Watershed Partnership
- Deschutes Watershed Council

Discussion:

- Partnership sounds more collaborative and council sounds more governmental and formal
- Formality of council has benefits- makes it a definitive group that agencies can turn to when making decisions. Recognition and authority for implementing the TMDL is necessary
- Partnership confuses with Puget Sound Partnership
- Council, as a strong word, can be aspirational for the group having more authority
- Think about what the intention in the long-run of the group is instead of thinking about what the group does in the present. Council provides room to grow into that title. Authority to get funding and legislation in the future?
- Council connotation lends authority and wisdom – elders giving guidance.
- Partnership sounds more open and inviting
- This group began as an advisory group to Ecology for the TMDL and has continued to grow and evolve after that. It's important that we have a strong name that can help us formalize and be flexible moving forward in order for the group to have the most impact and not get muddled by the work that other similar and participatory groups are doing. Group needs to accurately represent work being done in the entire watershed. Represent all the jurisdictions- not a top-down relationship between participants.
- Totem Salmon: Life Lessons from Another Species by Freeman House – book recommendation
- **Choice: *Deschutes Watershed Council: A partnership working for the protection and restoration (alternative: health) of the Deschutes Watershed*- tagline is to be more fully developed!**

III. Review of activities/process occurring within the basin, while cross walking with group priorities established in early meetings.

Begin to sketch out preliminary mission statement.

- WRIA 13 Salmon Habitat Recovery – very salmon oriented (TRPC)
- WRIA 13 Watershed Restoration and Enhancement Committee (DOE) – designated representatives with others there to lend information but not make decisions
- Capitol Lake EIS (DES)
- EPA's work to complete a TMDL plan with community engagement – possible alignment with this group and continued opportunities for contribution are being sought out
- Budd Inlet TMDL
- Puget Sound Partnership marine water quality implementation strategy (nutrient focused)
- Puget Sound Nutrient Source Reduction Project (DOE).

AI: Timeline and further information can be shared at future meeting

- Thurston Co. in process of updating shoreline master plan- public participation through stakeholder group
- Tribes currently limited in capacity, no lack of support but currently prioritizing participation in WREC. Future further participation is hoped for.
- NPDS Watershed permitting group coming down the line. Stormwater basin planning for cities, can happen alone or in collaboration with other jurisdictions. Includes cities, UGAs, and county- anyone under the phase 2 stormwater permitting requirements.

AI: Desire for future presentation on this to the group.

AI: chart with timelines needed.

Guiding principles discussion: See attached PowerPoint for summary of past contributions.

Actions and Priorities:

- Water management and filtration: clean water for drinking, fish, and recreation. Includes both water quality and quantity and non-point source pollution
- Secondary priorities: habitat and sediment management
- Deschutes estuary restoration- habitat, sediment management, public access, and public interest
- Different levels of activities as the group progresses -> Execution of mission is the next discussion.
-
- * Discussion of log-jam forming in Pioneer Park by golf course.

What might success look like in 10 years?

- Individual brainstorms collected
- Small group report outs: both internal and external aspirational goals
 - Support and monitor full and correct TMDL implementation
 - Internal effective group successfully communicates internally and externally to influence better outcomes for the watershed – i.e. SMP, comp. plan
 - Healthy ecosystem that supports robust fish and wildlife populations
 - Diverse group of individuals and organizations who think like an ecosystem to focus on watershed protection and restoration. Key words= Sense of place, interconnection, accountability, ecological health, overarching: climate change

- Widespread monitoring of the watershed, especially TMDL related
- Robust and consistent membership and funding
- A clearinghouse for coordinated efforts throughout the watershed
- A place for coordinated advocacy for water quality improvement
- Advocating for adaptive management

What do we do?

- Coordinate
- Influence action
- Prioritize
- Advocate
- Hold accountable- agencies and legislature
- Define needs
- Obtain funding
- Help address obstacles to success
- Connect the community to the watershed
- Collaborate
- Support each other's projects
- Share information
- Advocate for good science, esp. water quality sampling
- Issue watershed reports- watershed health tracking, state of the watershed, status reports

For whom do we do it?

- For the ecosystem
- Community
- Future generations
- Existing governmental and tribal structures
- Receiving waterbody

What is the benefit?

- Strong economy
- More efficient and effective watershed recovery
- A healthier watershed and community
- Cleaner water
- More fish, happy fish
- Less invasive species
- Cost saving due to proactive action rather than reactive
- Synchronize laws, interconnected authorities – effectiveness increased. How do they collaborate and work together
- Community well-being
- Cohesiveness of community
- Natural legacy for the future
- Elders get to retire
- Engaging youth to continue the work- establishing continuity
- Water quantity
- Mitigate climate change impacts
- Enhanced recreational activities

IV. Update on meetings in 2019

MOU between TRPC and Th. Co./ TCD in process to allow Amy to continue the coordination through the end of the year

Commitment from additional partners in watershed existing to fund the continuation of this group- DOE and Tumwater – into 2019 etc

Paperwork will likely slow the possibility of a January meeting. Calendar hold will be sent out for all of 2019 beginning in March.

Share proposed topics before next March meeting. A summary of the coming presentation before the meeting would help the group to be prepared for the coming meeting.

Coordination of the group will be worked out and shared

V. Update on other Deschutes projects

Update from Alison re: NTA awarded

- Need for incentives for restoration on private land in upper watershed. NTA has been awarded to do research into incentive programs and how that would best synch with existing work and programs in order to get more restoration on the ground. This group could be an important stakeholder for that research process. Questions will arise about how to best organize a program.

Dave re: Puget Sound Ecosystem Monitoring Steering Committee

- PSP requested 2 million dollars to help with database management and monitoring from Governor's Budget

Sue re: WREC

- Sue is environmental rep for the group. Group has only met once so far. Gathering information to then get up on the hill to advocate. Next meeting Dec. 12th from 12:30-4 at Thurston PUD on Ruddle Rd.
How to best represent a whole category of interests (i.e. ag or environment etc.) is being worked out
Group will RFP money out to the community/orgs. The alignment with this group is strong and can be further explored. Important to consider as money is being doled out.
Sue intends to serve as a liaison to this group.

VI. Adjourn

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Sent: 2/15/2019 6:32:32 PM
To: Schmidt, Michelle [Michelle.Schmidt@tetrattech.com]; Carlin, Jayne [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d8fb65515e114f0c9a07cf1a9796132f-Carlin, Jayne]; Cope, Ben [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=497efadd936e4d378225116b8f50fd3f-Cope, Ben]; Zell, Christopher [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a7206bbb71ff41c999629b86cc25c7e4-Zell, Chris]
CC: Jon Butcher [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=usera6b9d251]; Teresa Rafi [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=usered545308]; Susan Lanberg [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user43b71e0c]
Subject: RE: Final Deschutes QAPP
Attachments: DeschutesQAPP_approvals.pdf

Great, thanks Michelle! Attached are the EPA signatures.

Miranda Hodgkiss
Office of Water and Watersheds
U.S. EPA Region 10
(206) 553-0692
hodgkiss.miranda@epa.gov

From: Schmidt, Michelle <Michelle.Schmidt@tetrattech.com>
Sent: Friday, February 15, 2019 9:28 AM
To: Hodgkiss, Miranda <Hodgkiss.Miranda@epa.gov>; Carlin, Jayne <Carlin.Jayne@epa.gov>; Cope, Ben <Cope.Ben@epa.gov>; Zell, Christopher <zell.christopher@epa.gov>
Cc: Jon Butcher <jon.butcher@tetrattech.com>; Teresa Rafi <teresa.rafi@tetrattech.com>; Susan Lanberg <susan.lanberg@tetrattech.com>
Subject: Final Deschutes QAPP

Miranda and team,

Attached please find the final version of the Deschutes QAPP. We've also attached a PDF version of the QAPP approval page that includes signatures from Tetra Tech's staff. Please add your signatures to the approval page and send us the completed version for our records.

Michelle

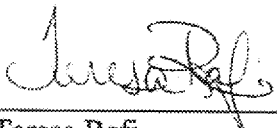
Michelle Schmidt | Environmental Engineer
Direct: 919.485.2081 | Main: 919.485.8278 | Fax: 919.485.8280
michelle.schmidt@tetrattech.com

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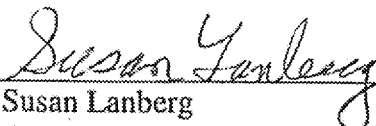
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LB APPROVALS:




Teresa Rafi
Task Order Leader
Tetra Tech

2/15/19
Date



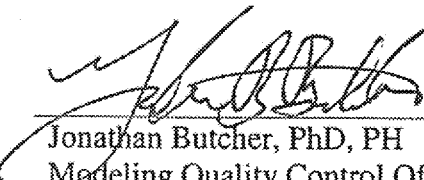
Susan Lanberg
Quality Assurance Officer
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Michelle Schmidt
Technical Lead
Tetra Tech

2/15/19
Date



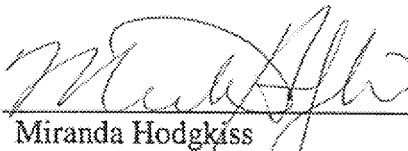
Jonathan Butcher, PhD, PH
Modeling Quality Control Officer
Tetra Tech

2/15/19
Date




Jayne Carlin
Task Order Contracting Officer's
Representative
U.S. Environmental Protection Agency
Region 10

2/15/19
Date



Miranda Hodgkiss
Technical Lead on TMDL Development
U.S. Environmental Protection Agency
Region 10

2/15/19
Date



Ben Cope
Quality Assurance Coordinator
U.S. Environmental Protection Agency
Region 10

2/15/19
Date

Message

Sent: 2/1/2019 11:26:55 PM
To: Schmidt, Michelle [Michelle.Schmidt@tetrattech.com]
CC: Cope, Ben [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=497efadd936e4d378225116b8f50fd3f-Cope, Ben]; Zell, Christopher [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a7206bbb71ff41c999629b86cc25c7e4-Zell, Chris]; Carlin, Jayne [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d8fb65515e114f0c9a07cf1a9796132f-Carlin, Jayne]; Teresa Rafi [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=usered545308]; Jon Butcher [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=usera6b9d251]; susan.lanberg@tetrattech.com
Subject: EPA comments on Deschutes TMDLs QAPP
Attachments: Deschutes_Draft_QAPP_12-14-2018_epa cmts.docx

Hi Michelle,

Thanks for waiting as we finished up these comments on the QAPP. We'll talk to you next week, but feel free to call in the meantime if you have any questions.

I know we'll have to take another look at the proposed schedule in the tech approach, but given that we are about a month behind where we initially thought we would be,

Thanks,

Miranda Hodgkiss
Office of Water and Watersheds
U.S. EPA Region 10
(206) 553-0692
hodgkiss.miranda@epa.gov

Message

Sent: 2/1/2019 11:28:56 PM
To: Schmidt, Michelle [Michelle.Schmidt@tetrattech.com]
CC: Cope, Ben [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=497efadd936e4d378225116b8f50fd3f-Cope, Ben]; Zell, Christopher [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a7206bbb71ff41c999629b86cc25c7e4-Zell, Chris]; Carlin, Jayne [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d8fb65515e114f0c9a07cf1a9796132f-Carlin, Jayne]; Teresa Rafi [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=usered545308]; Jon Butcher [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=usera6b9d251]; susan.lanberg@tetrattech.com
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Hi Michelle,

Thanks for waiting as we finished up these comments on the QAPP. We'll talk to you next week, but feel free to call in the meantime if you have any questions.

I know we'll have to take another look at the proposed schedule in the tech approach, but given that we are about a month behind where we initially thought we would be, is it a good assumption that we will be pushing everything back by one month?

Thanks,

Miranda Hodgkiss
Office of Water and Watersheds
U.S. EPA Region 10
(206) 553-0692
hodgkiss.miranda@epa.gov

Message

From: Schmidt, Michelle [Michelle.Schmidt@tetrattech.com]
Sent: 10/1/2018 5:55:41 PM
To: Hodgkiss, Miranda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d441ddb44ac4ed486058d2c2690b977-Hodgkiss, Miranda]; Amy King [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=usere8cee3c2]
Subject: RE: Deschutes - planning matrix and data/model requests

Amy and Miranda,

Any time Thursday between 12 – 2 PST works best for my schedule.

Michelle Schmidt | Environmental Engineer
Direct: 919.485.2081 | Main: 919.485.8278 | Fax: 919.485.8280
michelle.schmidt@tetrattech.com

Tetra Tech | Complex World, Clear Solutions
P.O. Box 14409 | 1 Park Drive, Suite 200, Research Triangle Park, NC 27709 | www.tetrattech.com

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From: Hodgkiss, Miranda
Sent: Monday, October 01, 2018 1:53 PM
To: King, Amy ; Schmidt, Michelle
Subject: RE: Deschutes - planning matrix and data/model requests

Hi Amy,

Thanks for the matrix! I'll take a look at it today or tomorrow. The best days/times to connect this week would be Tuesday (10-1 Pacific) or Thursday (12-5 Pacific).

Thanks,

Miranda Hodgkiss
Office of Water and Watersheds
U.S. EPA Region 10
(206) 553-0692
hodgkiss.miranda@epa.gov

From: King, Amy [<mailto:amy.king@tetrattech.com>]
Sent: Monday, October 1, 2018 10:47 AM
To: Hodgkiss, Miranda <Hodgkiss.Miranda@epa.gov>; Schmidt, Michelle <Michelle.Schmidt@tetrattech.com>
Subject: Deschutes - planning matrix and data/model requests

Hi Miranda,

Attached is a matrix summarizing some of the Deschutes info/approaches. The last column includes some additional information (models, data, calculations, etc.) that it would be really useful to obtain from Ecology.

Can we find a time this week to connect? I'd like to introduce you to Michelle Schmidt, who will be helping on the project, and to discuss the possibility of additional data/information from Ecology and others. If you can let me know some times that work for you, I can compare schedules with Michelle and set something up.

Thanks, Amy

Amy King | Senior Project Manager

Main: 303.217.5700 | Direct: 720.881.5874 | Fax 303.217.5705

amy.king@tetratech.com

Tetra Tech | Complex World, Clear Solutions

350 Indiana Street, Suite 500 | Golden, Colorado 80401 | www.ttwater.com

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Message

From: Morrison, Kay [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=C42C6FF29A9E4A0EB97F4F38F915C2B1-MORRISON, KAY]
Sent: 10/2/2018 9:17:51 PM
To: Hodgkiss, Miranda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d441ddb44ac4ed486058d2c2690b977-Hodgkiss, Miranda]
Subject: RE: Deschutes 9/20/18 Presentation

Thank you so much for sharing this with me, Miranda. It was great to have a chance to get an update from you and Dave this morning. Please let me know if there's anything you'd like me to review, if you need help with something, or if you'd like to bounce some ideas around with someone who's "been there." I'll make every effort to be available to you.
k

Kay Morrison
Community Involvement Coordinator
U.S. Environmental Protection Agency
206-553-8321

-----Original Message-----

From: Hodgkiss, Miranda
Sent: Tuesday, October 02, 2018 10:22 AM
To: Morrison, Kay <morrison.kay@epa.gov>
Subject: Deschutes 9/20/18 Presentation

Hi Kay,

Attached are my slides for the presentation I gave to the Deschutes Watershed group on 9/20. The .ppt version has notes in it. I sent them the .pdf version without notes because my notes were pretty draft and not cleaned up. I did like your idea of putting more explanation after each slide in the future.

Thanks,

Miranda

Message

From: Weiss, Leanne (ECY) [lewe461@ECY.WA.GOV]
Sent: 9/12/2018 6:20:57 PM
To: Hodgkiss, Miranda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d441ddb44ac4ed486058d2c2690b977-Hodgkiss, Miranda]
CC: Amy Hatch-Winecka [AmyHW@thurstoncd.com]
Subject: Deschutes Watershed Group Meeting
Attachments: ATT00001.txt

Hi Miranda,

The Deschutes Watershed Group (which is currently facilitated by Amy Hatch-Winecka, at the Thurston Conservation District, copied on this email) is having a meeting on September 20th. Are you, or someone from your office, available to come and discuss the decision rational and next steps for the Deschutes TMDL?

The meeting will be in Olympia.

Please let us know your thoughts.

Thanks,

Leanne

Leanne Weiss
Budd Inlet TMDL Lead | Water Quality Program
Washington Department of Ecology
Leanne.Weiss@ecy.wa.gov | (360) 407-0243



Message

From: Carlin, Jayne [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D8FB65515E114F0C9A07CF1A9796132F-CARLIN, JAYNE]
Sent: 2/11/2019 7:31:27 PM
To: Hodgkiss, Miranda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d441ddb44ac4ed486058d2c2690b977-Hodgkiss, Miranda]
Subject: RE: Comments & Edits on the Deschutes QAPP

Thanks Miranda.

Jayne Carlin, Watersheds Unit
US EPA, Region 10
1200 6th Ave, Suite 155 (OWW-192)
Seattle, WA 98101-3140
(206) 553-8512
carlin.jayne@epa.gov

From: Hodgkiss, Miranda
Sent: Monday, February 11, 2019 10:17 AM
To: Carlin, Jayne <Carlin.Jayne@epa.gov>
Subject: RE: Comments & Edits on the Deschutes QAPP

Thanks Jayne! I think your comments were great. I will add that task to the TD, which I am working on now and should have finished today.

Thanks,

Miranda Hodgkiss
Office of Water and Watersheds
U.S. EPA Region 10
(206) 553-0692
hodgkiss.miranda@epa.gov

From: Carlin, Jayne
Sent: Sunday, February 10, 2019 11:28 AM
To: Hodgkiss, Miranda <Hodgkiss.Miranda@epa.gov>
Subject: Comments & Edits on the Deschutes QAPP

Hi Miranda,

Please review my edits and comments on the attached QAPP to make sure they are appropriate before passing it on—I made comments on the entire QAPP including references. I completed the first three modules of the modeling webinars and thought it would be helpful to my learning to carefully review this QAPP (as well as because I am to sign the QAPP).

Also may want to add a task to the next TD on revisions to the QAPP and technical memorandum as needed.

Regards,

Jayne Carlin, Watersheds Unit
US EPA, Region 10
1200 6th Ave, Suite 155 (OWW-192)
Seattle, WA 98101-3140
(206) 553-8512
carlin.jayne@epa.gov

Message

From: King, Amy [amy.king@tetratech.com]
Sent: 9/20/2018 7:55:24 PM
To: Hodgkiss, Miranda [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=9d441ddb44ac4ed486058d2c2690b977-Hodgkiss, Miranda]
CC: Carlin, Jayne [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d8fb65515e114f0c9a07cf1a9796132f-Carlin, Jayne]
Subject: EPA-ECY-Tt kickoff call notes
Attachments: Deschutes TMDL EPA-ECY-Tt Kickoff Call Summary (091318).docx

Hi Miranda,

Attached is a brief summary of our call last week with Ecology. Please let me know if you have any suggested edits. Once it is finalized, we can distribute to the group.

Thanks, Amy

Amy King | Senior Project Manager

Main: 303.217.5700 | Direct: 720.881.5874 | Fax 303.217.5705
amy.king@tetratech.com

Tetra Tech | Complex World, Clear Solutions
350 Indiana Street, Suite 500 | Golden, Colorado 80401 | www.tetra.tech

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Message

From: Hodgkiss, Miranda [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9D441DDB44AC4ED486058D2C2690B977-HODGKISS, MIRANDA]
Sent: 9/19/2018 7:14:51 PM
To: King, Amy [amy.king@tetrattech.com]
Subject: RE: Qual2Kw files for Deschutes from Ecology

Hi Amy – I was able to save the files. Thanks!

Miranda Hodgkiss
Office of Water and Watersheds
U.S. EPA Region 10
(206) 553-0692
hodgkiss.miranda@epa.gov

From: Hodgkiss, Miranda
Sent: Monday, September 17, 2018 11:54 AM
To: Amy King <amy.king@tetrattech.com>
Subject: RE: Qual2Kw files for Deschutes from Ecology

Thanks for sending. The zipped files did not come through that Leanne sent.

Miranda Hodgkiss
Office of Water and Watersheds
U.S. EPA Region 10
(206) 553-0692
hodgkiss.miranda@epa.gov

From: Amy King [<mailto:amy.king@tetrattech.com>]
Sent: Monday, September 17, 2018 11:40 AM
To: Hodgkiss, Miranda <Hodgkiss.Miranda@epa.gov>
Subject: Qual2Kw files for Deschutes from Ecology

Click the links below to download the files. Files will expire Mon Oct 01 13:39:53 2018.
[Q2Kv40 DES DOcal081104 genalg4 finalGWOP10 gp.zip \(12,803,383 bytes\)](#)

Package details:
From: amy.king@tt
To: Hodgkiss.Miranda@epa.gov
Subject: Qual2Kw files for Deschutes from Ecology
Arrived: Mon Sep 17 13:39:56 2018

Hi Miranda,

The link above is for a zip file that Leanne sent earlier today. The link will be active for 2 weeks. Let me know if you are able to save the files using this method.

Thanks, Amy

Total file size: 12,803,383 bytes

Message

From: Hodgkiss, Miranda [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9D441DDB44AC4ED486058D2C2690B977-HODGKISS, MIRANDA]
Sent: 11/26/2018 5:55:48 PM
To: Rafi, Teresa [teresa.rafi@tetrattech.com]
Subject: RE: Notes from Last week's call

Great, thanks!

Miranda Hodgkiss
Office of Water and Watersheds
U.S. EPA Region 10
(206) 553-0692
hodgkiss.miranda@epa.gov

From: Rafi, Teresa <teresa.rafi@tetrattech.com>
Sent: Monday, November 26, 2018 9:49 AM
To: Hodgkiss, Miranda <Hodgkiss.Miranda@epa.gov>
Subject: RE: Notes from Last week's call

Thanks! I accepted and deleted comments and here's the clean version.

From: Hodgkiss, Miranda <Hodgkiss.Miranda@epa.gov>
Sent: Monday, November 26, 2018 11:57 AM
To: Rafi, Teresa <teresa.rafi@tetrattech.com>
Subject: RE: Notes from Last week's call

Hi Teresa,

Thanks for the chance to review. I've provided my edits in the attached document.

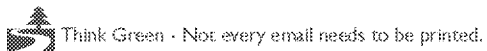
Miranda Hodgkiss
Office of Water and Watersheds
U.S. EPA Region 10
(206) 553-0692
hodgkiss.miranda@epa.gov

From: Rafi, Teresa <teresa.rafi@tetrattech.com>
Sent: Tuesday, November 20, 2018 11:38 AM
To: Hodgkiss, Miranda <Hodgkiss.Miranda@epa.gov>
Subject: Notes from Last week's call

Hi Miranda,

Sorry this took me so long to get back to you, I think it got lost in the flurry of all the other Deschutes activities. Let me know if you think edits are needed.

Teresa Rafi | Integrated Water Management
Direct: [703 385 2460](tel:7033852460) | Main: [703 385 6000](tel:7033856000) | Fax: [703 385 6007](tel:7033856007)
Teresa.Rafi@tetrattech.com



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10306 Eaton Place, Suite 340 | Fairfax, VA 22030-2201 | www.tetrattech.com

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Message

From: Hodgkiss, Miranda [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9D441DDB44AC4ED486058D2C2690B977-HODGKISS, MIRANDA]
Sent: 11/26/2018 4:57:03 PM
To: Rafi, Teresa [teresa.rafi@tetrattech.com]
Subject: RE: Notes from Last week's call
Attachments: Deschutes TMDL Technical Call Summary (111318)_mrh cmts.docx

Hi Teresa,

Thanks for the chance to review. I've provided my edits in the attached document.

Miranda Hodgkiss
Office of Water and Watersheds
U.S. EPA Region 10
(206) 553-0692
hodgkiss.miranda@epa.gov

From: Rafi, Teresa <teresa.rafi@tetrattech.com>
Sent: Tuesday, November 20, 2018 11:38 AM
To: Hodgkiss, Miranda <Hodgkiss.Miranda@epa.gov>
Subject: Notes from Last week's call

Hi Miranda,

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Teresa Rafi | Integrated Water Management
Direct: [703 385 2460](tel:7033852460) | Main: [703 385 6000](tel:7033856000) | Fax: [703 385 6007](tel:7033856007)
Teresa.Rafi@tetrattech.com



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Sent: 2/1/2019 11:34:41 PM
To: Schmidt, Michelle [Michelle.Schmidt@tetrattech.com]
CC: Cope, Ben [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=497efadd936e4d378225116b8f50fd3f-Cope, Ben]; Zell, Christopher [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a7206bbb71ff41c999629b86cc25c7e4-Zell, Chris]; Carlin, Jayne [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=d8fb65515e114f0c9a07cf1a9796132f-Carlin, Jayne]; Teresa Rafi [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=usered545308]; Jon Butcher [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=usera6b9d251]; susan.lanberg@tetrattech.com
Subject: EPA comments on Deschutes TMDLs QAPP
Attachments: Deschutes_Draft_QAPP_12-14-2018_epa cmts.docx

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Thanks,

Miranda Hodgkiss
Office of Water and Watersheds
U.S. EPA Region 10
(206) 553-0692
hodgkiss.miranda@epa.gov

Message

From: Hodgkiss, Miranda [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9D441DDB44AC4ED486058D2C2690B977-HODGKISS, MIRANDA]
Sent: 9/21/2018 4:00:53 PM
To: Amy Hatch-Winecka [AmyHW@thurstoncd.com]
Subject: Presentation
Attachments: Deschutes Watershed Group Mtg 9-20_Hodgkiss.pdf

Hi Amy,

Attached is my presentation from yesterday. I added my contact info to the last slide. Thanks again for the opportunity to present. It was nice meeting you!

Miranda Hodgkiss
Office of Water and Watersheds
U.S. EPA Region 10
(206) 553-0692
hodgkiss.miranda@epa.gov